

MODIS Technical Team Meeting
Thursday, June 17, 2004
Building 33, Room E125

Vince Salomonson chaired the meeting. In attendance were Barbara Conboy, Eric Vermote, Jack Xiong, Robert Wolfe, Shaida Johnston, Steve Kempler, and Dorothy Hall, with Yolanda Harvey taking the minutes.

1.0 Upcoming Events

- MODIS Science Team Meeting, July 13–15, 2004, BWI Airport Marriott, Baltimore, MD.
http://modis.gsfc.nasa.gov/sci_team/meetings/200407/index.html
- MODIS Vegetation Workshop II, University of Montana, August 17 - 19 2004
- AIAA Space 2004 Conference and Exhibit, San Diego, California, September 28-30 2004. <http://www.aiaa.org/>
- Snow and Ice User Workshop, SSAI offices, Aerospace Building, Lanham MD. November 16-17, 2004.

2.0 Meeting Minutes

2.1 General Discussion

Salomonson reported that it was announced at a monthly NESDIS Satellite Products and Services Review Board (SPSRB) meeting recently that Terra and Aqua global MODIS data may be flowing through the new dark fiber communications link from NASA/GSFC to the NOAA Science Center (via Maryland) very soon. Some additional work remains to be completed but the prospects are promising.

Salomonson reported that Martha Maiden has confirmed that she will be able to make a presentation on Earth Science Enterprise data, etc., plans at the July MODIS Science Team Meeting. He also noted that over 70 people have registered to attend the meeting thus far.

Conboy reported further progress with contract completion – seven contracts are in place and most of the remaining fifteen are at the Universities for signature. Salomonson was pleased that progress is being made.

2.2 Instrument Status

2.1.1 Terra MODIS

Xiong reported that the two noisy detectors continue to be investigated. It appears that the problem is more complicated than they thought: some reflective solar bands experienced gain changes (or MIs) from 0.3% to 0.8%. The issue could be electronics-related. At the time when they saw the gain changes, some detectors were getting better in terms of their stability, some were getting worse, and there seems to be a correlation with southern hemisphere occurrences. They will coordinate with SBRS and continue to investigate and monitor the changes.

2.1.2 Aqua MODIS

Operating normally.

2.3 DAAC

Kempler reported that reprocessing on Aqua data is running at 5x. Distribution is backlogged 1.2 TB, and they're working on getting that resolved. The DAAC is averaging 18K of granules distributed to the public on a weekly basis, and they've distributed 48K since February 1st of this year.

Kempler reported that, in anticipation of the upcoming Aura launch (which will be no earlier than July 8, 2004), they're making changes to the system.

Kempler also reported that his group has been working with Masuoka's to test the pushing of Level 0 data to MODAPS for quicker reprocessing. So far they're averaging between 4 and 7x speeds, which, if they can maintain, would cut seven months off an entire reprocessing effort.

2.4 SDST

Masuoka reported that they got some Oceans SST changes in yesterday from Miami. Johnston said that she would forward the PCR to Masuoka, which has more detail on what is included in that package. Masuoka said that they'd like to get all of the appropriate changes integrated by July 18th, before the start of the Atmospheres reprocessing effort. Following Atmospheres would be Land and Oceans.

Masuoka said that his group still needs to meet with Wolfe to revisit the issue of 100% "checksum" checks, since changing the associated router seemed to solve the issue. Wolfe said that he wants to think about what threshold we want to set, though generally it needs to be high enough that it can catch any problems (like the last one) and correct them quickly.

Wolfe mentioned that Vermote had a good idea for getting the science disciplines together to make sure that everyone is up to date on important processing issues (for example, collection 5). Salomonson asked for specific concerns, and Vermote replied that they used to have very specific PIP meetings, but they've (understandably) become much more generic, which inhibits the discussion of some issues, such as those that take place before the start of new data collections. Masuoka suggested a doing so during the MTT meetings once a month. Salomonson generally agreed. It will be necessary to clearly establish the date for such a discussion and strive to ensure that the relevant people will be in attendance

3.0 Action Items

3.1 New Action Items

No new action items.

3.2 Old Action Items

3.2.1 Tech Team to further discuss TRW using MODIS data for validation of the NPP/NPOESS production process.

Status: Open.

3.2.2 Kempler to bring back some proposals for how the disciplines can deal with the DAAC distribution problem.

Status: Open.

3.2.3 Johnston to determine what data should be going into the DAAC.

Status: Open.

Johnston reported being at the beginning stages of laying out details for Collection 5, and is trying to identify the right levels for the Science Team in terms of data archiving.